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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Name of Assignee: ABB LUMMUS GLOBAL INC.
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Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

**REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36**

Dear Sir:

Pursuant to 37 C.F.R. §1.36, ABB LUMMUS GLOBAL INC., the assignee of the patent application listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 80911

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to:

Please use address associated with PTO Customer Number 80911.

Please direct telephone calls to: Jeffrey S. Bergman (713) 228-8600.

Please direct facsimiles to: (713) 228-8778.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code.

Signature:



Dated:

12 Oct 09

Printed Name:

Helion H. Sardina

Title:

General Manager

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APPENDIX A

1. Patent Application/Serial No.: 10/376,683
Patent No. 7,238,843
Title: PROCESS FOR THE PRODUCTION OF
ALKYLAROMATICS
Filed: February 28, 2003
Assignee(s): ABB LUMMUS GLOBAL INC.
Assignment Reel / Frame 013837/0177
Attorney Docket No: 17421/074001
2. Patent Application/Serial No.: 10/457,863
Patent No. 7,071,369
Title: PROCESS FOR THE PRODUCTION OF
ALKYLBENZENE WITH ETHANE STRIPPING
Filed: June 10, 2003
Assignee(s): ABB LUMMUS GLOBAL INC.
Assignment Reel / Frame 014163/0798
Attorney Docket No: 17421/075001
3. Patent Application/Serial No.: 11/435,512
Patent No. 7,517,506
Title: PROCESS FOR THE PRODUCTION OF
ALKYLBENZENE WITH ETHANE STRIPPING
Filed: May 17, 2006
Assignee(s): ABB LUMMUS GLOBAL INC.
Assignment Reel / Frame 014163/0798
Attorney Docket No: 17421/075002
4. Patent Application/Serial No.: 10/660,065
Patent No. 7,259,282
Title: PROCESS FOR THE PRODUCTION OF
ETHYLBENZENE FROM DILUTE ETHYLENE
STREAMS
Filed: September 8, 2003
Assignee(s): ABB LUMMUS GLOBAL INC.
Assignment Reel / Frame 014501/0739
Attorney Docket No: 17421/076001
5. Patent Application/Serial No.: 11/825,422
Patent No. 7,393,988
Title: PROCESS FOR THE PRODUCTION OF
ETHYLBENZENE FROM DILUTE ETHYLENE
STREAMS
Filed: July 6, 2007
Assignee(s): ABB LUMMUS GLOBAL INC.
Assignment Reel / Frame 014501/0739
Attorney Docket No: 17421/076002